

**Flood Control Project Maintenance  
Levee Inspections**  
**LMA District Cover Sheet**  
**Spring 2018 Levee Inspection Results**

**Reclamation District No. 2101 Blewett**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)				

\*\* Non-receipt of Summer or Winter Inspection  
Reports may effect overall annual rating.

† SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments


**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2018 Levee Inspection Results**

**Reclamation District No. 2101 Blewett**

Waterway			Bank	Unit Miles
Unit No. 01 San Joaquin River			Left	3.16
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/8/2018 - 3/8/2018			
DWR Inspector	Maksim Khashchuk			
Accompanied By	Jim Coddington RD2101			

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2101 Blewett**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	03/08/2018 03/08/2018	Maksim Khashchuk

LM Start		Rating **	A	Issue No.	2		
LM End		Issue Type +	Ma	Location *	N/A		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Operations & Maintenance Manuals				o		o
					o		o
DWR ID	DWR_RD2101_01_s_2013_2						
Comment Code							
Inspector Comment							
The LMA has the O&M Manual available electronically.							

Photo 1 of 1 : SP\_2018\_RD2101\_326\_2\_20180305\_00003.jpg



View of the O&amp;M manual and other documentation.

LM Start		Rating **	A	Issue No.	4		
LM End		Issue Type +	Ma	Location *	N/A		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Emergency Supplies & Equipment				o		o
					o		o
DWR ID	DWR_RD2101_01_s_2013_4						
Comment Code							
Inspector Comment							
LMA has emergency supplies on site at the warehouse.							

Photo 1 of 2 : SP\_2018\_RD2101\_326\_4\_20180305\_00004.jpg



View of the emergency flood fight supplies in the shop.

LM Start		Rating **	A	Issue No.	4 (cont)
LM End		Issue Type +	Ma	Location *	N/A

Photo 2 of 2 : SP\_2018\_RD2101\_326\_4\_20180305\_00005.jpg



Another view of the emergency flood fight supplies in the shop.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2101 Blewett**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	03/08/2018 03/08/2018	Maksim Khashchuk

LM Start		Rating **	A	Issue No.	5	
LM End		Issue Type +	Ma	Location *	N/A	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Flood Preparedness & Training				°	
					°	
DWR ID	DWR_RD2101_01_s_2013_5					
Comment Code						
Inspector Comment						
LMA is current on flood fight training.						

No Photos

LM Start	0.04	Rating **	M	Issue No.	12
LM End	0.04	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.657648 °	37.657648 °
				-121.253812 °	-121.253812 °
DWR ID	DWR_RD2101_01_s_2012_12				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
LMA is actively exterminating rodents in this area.					

Photo 1 of 1 : SP\_2018\_RD2101\_326\_12\_20180305\_00007.jpg



View of the rodent holes on the waterside levee slope, facing upstream.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2101 Blewett**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	03/08/2018 03/08/2018	Maksim Khashchuk

LM Start	0.05	Rating **	U	Issue No.	945	
LM End	0.05	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.657801 °	37.657801 °	
				-121.253745 °	-121.253745 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:51391 DS_ID:20699 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 11/16/2016 Same as previous inspection slide gate still missing. Also dense vegetation prevents access to crossing. Recommend removing vegetation along pipe alignment and both concrete headwalls to conduct proper inspection of structure. (O. Magana - DWR UCIP)09/17/2013 Slide gate missing from WS toe. Pipe has heavy sediment buildup. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 18-inch corrugated metal drainage pipe through the levee, 3 feet below the crown. Concrete headwalls on both ends. Slide gate at the headwall on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 12, December 1968, (HLM 0.05), Drawing No. 07-04-1666, Sheets 1666/18 and 1666/52, (Station 00+70)]. FS Date: 11/16/2016						

Photo 1 of 3 : UCIP\_SP\_2018\_51391\_47962.jpg



Headwall on WS toe.

LM Start	<b>0.05</b>	Rating **	U	Issue No.	<b>945 (cont)</b>
LM End	<b>0.05</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2018\_51391\_47961.jpg



Pipe and headwall visible on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2101 Blewett**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	03/08/2018 03/08/2018	Maksim Khashchuk

LM Start	0.05	Rating **	U	Issue No.	945 (cont)	
LM End	0.05	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.657801 °	37.657801 °	
				-121.253745 °	-121.253745 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:51391 DS_ID:20699 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 11/16/2016 Same as previous inspection slide gate still missing. Also dense vegetation prevents access to crossing. Recommend removing vegetation along pipe alignment and both concrete headwalls to conduct proper inspection of structure. (O. Magana - DWR UCIP)09/17/2013 Slide gate missing from WS toe. Pipe has heavy sediment buildup. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 18-inch corrugated metal drainage pipe through the levee, 3 feet below the crown. Concrete headwalls on both ends. Slide gate at the headwall on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 12, December 1968, (HLM 0.05), Drawing No. 07-04-1666, Sheets 1666/18 and 1666/52, (Station 00+70)]. FS Date: 11/16/2016						

Photo 3 of 3 : UCIP\_SP\_2018\_51391\_47960.jpg



Pipe and headwall visible on LS toe.

LM Start	0.12	Rating **	A/W	Issue No.	15
LM End	0.12	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.657348 °	37.657348 °
				-121.252660 °	-121.252660 °
DWR ID	DWR_RD2101_01_s_2017_15				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
LMA backfilled rodent holes, but there is still rodent activity.					

Photo 1 of 1 : SP\_2018\_RD2101\_326\_15\_20180305\_00008.jpg



View of the rodent burrows on the levee slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	03/08/2018 03/08/2018	Maksim Khashchuk

LM Start	0.20	Rating **	A/W	Issue No.	946	
LM End	0.20	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.657130 °	37.657130 °	
				-121.251695 °	-121.251695 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:20752						
DS_ID:20700						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 20-inch steel drainage pipe through the levee, 2 feet below the crown. Concrete U-shaped headwall and flap gate on the waterside (WS) end. Pump on pile structure on the landside (LS). [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 12, December 1968, (HLM 0.20), 18-inch pipe listed].						
FS Date: 9/19/2013						

LM Start	<b>0.20</b>	Rating **	A/W	Issue No.	<b>946 (cont)</b>
LM End	<b>0.20</b>	Issue Type +	Ma	Location *	

A photograph showing a bridge over a river. A large, dark, cylindrical pipe is visible underneath the bridge structure, extending across the river. The riverbank on the left is sandy and rocky. The background is filled with dense green trees. A timestamp in the bottom right corner reads "09/19/2013 09:48".

Pump on platform at LS.

Pump on platform at LS.

* Location	** Rating	+ Issue Type
LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  AWW : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2101 Blewett**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	03/08/2018 03/08/2018	Maksim Khashchuk

LM Start	0.20	Rating **	A/W	Issue No.	946 (cont)	
LM End	0.20	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.657130 °	37.657130 °	
				-121.251695 °	-121.251695 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:20752						
DS_ID:20700						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 20-inch steel drainage pipe through the levee, 2 feet below the crown. Concrete U-shaped headwall and flap gate on the waterside (WS) end. Pump on pile structure on the landside (LS). [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 12, December 1968, (HLM 0.20), 18-inch pipe listed].						
FS Date: 9/19/2013						

Photo 3 of 3 : UCIP\_SP\_2018\_20752\_34978.jpg



Concrete U-shaped headwall on LS toe at willow tree on WS toe.

LM Start	0.31	Rating **	M	Issue No.	947
LM End	0.31	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.658142 °	37.658142 °
				-121.250047 °	-121.250047 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:20785					
DS_ID:20701					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Inlet blocked by soil from beaver activity. Outlet covered in soil.					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 21 feet below the crown. Headwall and slide gate on the landside (LS) end. Concrete U-shaped headwall and flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 12, December 1968, (HLM 0.31)].					
FS Date: 9/19/2013					

Photo 1 of 3 : UCIP\_SP\_2018\_20785\_35046.jpg



Slide gate at concrete headwall on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2101 Blewett**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	03/08/2018 03/08/2018	Maksim Khashchuk

LM Start	0.31	Rating **	M	Issue No.	947 (cont)	
LM End	0.31	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.658142 °	37.658142 °	
				-121.250047 °	-121.250047 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:20785 DS_ID:20701 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Inlet blocked by soil from beaver activity. Outlet covered in soil. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 21 feet below the crown. Headwall and slide gate on the landside (LS) end. Concrete U-shaped headwall and flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 12, December 1968, (HLM 0.31)]. FS Date: 9/19/2013						

LM Start	<b>0.31</b>	Rating **	M	Issue No.	<b>947 (cont)</b>
LM End	<b>0.31</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2018\_20785\_35045.jpg



Slide gate at concrete headwall on LS toe.

Photo 3 of 3 : UCIP\_SP\_2018\_20785\_35044.jpg



Outlet covered in soil but likely at willow tree on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2101 Blewett**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	03/08/2018 03/08/2018	Maksim Khashchuk

LM Start	0.69	Rating **	U	Issue No.	16
LM End	0.69	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			37.659922 °	37.659922 °
				-121.244415 °	-121.244415 °
DWR ID	DWR_RD2101_01_s_2017_16				
Comment Code					
Inspector Comment					
Boil still flowing and carrying some material.					

Photo 1 of 1 : SP\_2018\_RD2101\_326\_16\_20180305\_00009.jpg



View of the boil and seepage area at the levee toe.

LM Start	0.70	Rating **	C	Issue No.	26
LM End	0.70	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.659907 °	37.659907 °
				-121.244219 °	-121.244219 °
DWR ID	DWR_RD2101_01_s_2013_26				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	0.73	Rating **	M	Issue No.	944
LM End	1.76	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.659827 °	37.651049 °
				-121.243675 °	-121.231475 °
DWR ID	DWR_RD2101_01_s_2012_944				
Comment Code					
DT : Ditch					
Inspector Comment					

Photo 1 of 1 : SP\_2018\_RD2101\_326\_944\_20180305\_00025.jpg



Concrete ditch near landside toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2101 Blewett**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	03/08/2018 03/08/2018	Maksim Khashchuk

LM Start	0.78	Rating **	M	Issue No.	20
LM End	0.78	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.659436 °	37.659436 °
				-121.242965 °	-121.242965 °
DWR ID	DWR_RD2101_01_f_2016_20				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	0.82	Rating **	M	Issue No.	19
LM End	0.82	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.658918 °	37.658918 °
				-121.242544 °	-121.242544 °
DWR ID	DWR_RD2101_01_s_2017_19				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
LMA installed bait stations to exterminate rodents. Backfill and compact rodent hole.					

Photo 1 of 1 : SP\_2018\_RD2101\_326\_19\_20180308\_00055.jpg



View of the bait station on the levee slope.

LM Start	0.86	Rating **	M	Issue No.	21
LM End	0.86	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.658715 °	37.658715 °
				-121.241945 °	-121.241945 °
DWR ID	DWR_RD2101_01_f_2016_21				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2018\_RD2101\_326\_21\_20180305\_00010.jpg



View of the rodent hole on the landside slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2101 Blewett**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	03/08/2018 03/08/2018	Maksim Khashchuk

LM Start	0.94	Rating **	M	Issue No.	22
LM End	0.95	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.657875 °	37.657622 °
				-121.241209 °	-121.241187 °
DWR ID	DWR_RD2101_01_f_2016_22				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	1.02	Rating **	N	Issue No.	33
LM End	1.02	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.656745 °	37.656745 °
				-121.241104 °	-121.241104 °
DWR ID	DWR_RD2101_01_f_2014_33				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : SP\_2018\_RD2101\_326\_33\_20180305\_00019.jpg



View of the tree stump at the waterside levee toe.

LM Start	1.10	Rating **	M	Issue No.	23
LM End	1.10	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.655521 °	37.655521 °
				-121.241191 °	-121.241191 °
DWR ID	DWR_RD2101_01_s_2017_23				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2101 Blewett**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	03/08/2018 03/08/2018	Maksim Khashchuk

LM Start	1.59	Rating **	M	Issue No.	14
LM End	1.59	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.651554 °	37.651554 °
				-121.234319 °	-121.234319 °
DWR ID	DWR_RD2101_01_s_2012_14				
Comment Code					
PO : Pole					
Inspector Comment					
Pole needs to be permitted or moved outside of levee easement.					

No Photos

LM Start	1.86	Rating **	C	Issue No.	1
LM End	1.95	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.650259 °	37.650259 °
				-121.228961 °	-121.228961 °
DWR ID	RD2101U01RM73.92				
Comment Code					
Inspector Comment					
10/26/2017: The erosion is being repaired at the time of survey. 07/12/2016: No significant change observed. 08/19/2015: No significant change observed. 07/17/2014: No significant change observed. 09/20/2013: Site has been visited. There are signs of further erosion development along the levee slope and toe. 07/18/2012: The erosion has further developed toward levee crown. Vegetation has been removed. 08/18/2011: The erosion progressed significantly during the past flood season. The levee toe along the erosion site was washed away, and the erosion has cut the levee structure up to the point about 1/3 of the levee slope. The scarp height is approximately 17 feet. Very dense vegetation and trees are visible. 10/19/2010: No significant change observed on site. Remaining levee berm topsoil is of silty sand mixture. The erosion is near the downstream transition. An eddy has formed, and has scoured away a 100-foot section of the bank, possibly encroaching into the levee prism. Vegetation on site includes willows, oak, and cotton wood located from the bench to the toe. On the landside are rows of corn crop. 08/05/2010: Recommended for Repair, per CLRO. 2009: Site recommended as annual assessment and monitoring if critical erosion site, per CLRO CES Evaluation 2008 Report; an eddy has formed, eroding bank and intruding into the levee prism; Site # is the same as RM76.3, LM1.89; previously rated "U". 08/30/2007: Recommended for short list of immediate repair sites; silty sand levee material. [2017 Site ID:RD2101U01RM73.92]					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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# Reclamation District No. 2101 Blewett

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2101 Blewett**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	03/08/2018 03/08/2018	Maksim Khashchuk

LM Start	1.87	Rating **	A/W	Issue No.	39 (cont)
LM End	1.96	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			37.650550 °	37.649980 °
				-121.229570 °	-121.228040 °
DWR ID	DWR_RD2101_01_f_2017_39				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:133					
Site Designation:DWR_RD2101_01_s_2012_1					
Repair Type: Erosion					
Rating:Critical					
Field Date:6/8/2017					
Notes: Lineal cracking on the levee crown is visible. Erosion scarp is near vertical. This site was repaired at the time of the Fall 2017 inspection.					

Photo 3 of 3 : LEVAL\_SP\_2018\_133\_228.jpg

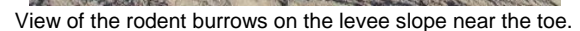
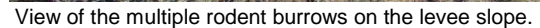
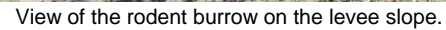


LM Start	1.91	Rating **	A/W	Issue No.	40	
LM End	2.26	Issue Type +	Ob	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	2017 Storm Damage			37.650330 °		37.646800 °
				-121.228860 °		-121.225060 °
DWR ID	DWR_RD2101_01_f_2017_40					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:134						
Site Designation:DWR_RD2101_01_R_2012_01						
Repair Type: Seepage						
Rating:						
Field Date:						
Notes:						

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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# Reclamation District No. 2101 Blewett





**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2101 Blewett**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	03/08/2018 03/08/2018	Maksim Khashchuk

LM Start	2.56	Rating **	U	Issue No.	36
LM End	2.56	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.643733 °	37.643733 °
				-121.229083 °	-121.229083 °
DWR ID	DWR_RD2101_01_s_2017_36				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2018\_RD2101\_326\_36\_20180305\_00020.jpg



View of the multiple rodent burrows on the levee slope.

LM Start	2.67	Rating **	U	Issue No.	37
LM End	2.67	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.642436 °	37.642436 °
				-121.229854 °	-121.229854 °
DWR ID	DWR_RD2101_01_s_2017_37				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2018\_RD2101\_326\_37\_20180305\_00021.jpg



View of the multiple rodent burrows on the levee slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2101 Blewett**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	03/08/2018 03/08/2018	Maksim Khashchuk

LM Start	2.71	Rating **	M	Issue No.	948	
LM End	2.71	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.641976 °	37.641976 °	
				-121.229745 °	-121.229745 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:20865 DS_ID:20711 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe leaking at pipe/concrete connection on WS slope. FIELD_STRUCT_DESC: 2 of 3: 20-inch concrete encased steel irrigation pipe through the levee, 10 feet below the crown. Pump on steel pier on the waterside (WS). Gate valve in a 16-foot by 7-foot concrete vault on the WS shoulder. Pipes discharge into a concrete canal on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 12, December 1968, (HLM 2.73)]. FS Date: 9/19/2013						

LM Start	<b>2.71</b>	Rating **	M	Issue No.	<b>948 (cont)</b>
LM End	<b>2.71</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2018\_20865\_35110.jpg



Pump on metal pier on WS.

Photo 2 of 3 : UCIP\_SP\_2018\_20865\_35109.jpg



Gate valve in concrete vault on WS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2101 Blewett**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	03/08/2018 03/08/2018	Maksim Khashchuk

LM Start	2.71	Rating **	M	Issue No.	948 (cont)	
LM End	2.71	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.641976 °		37.641976 °
				-121.229745 °		-121.229745 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:20865 DS_ID:20711 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe leaking at pipe/concrete connection on WS slope. FIELD_STRUCT_DESC: 2 of 3: 20-inch concrete encased steel irrigation pipe through the levee, 10 feet below the crown. Pump on steel pier on the waterside (WS). Gate valve in a 16-foot by 7-foot concrete vault on the WS shoulder. Pipes discharge into a concrete canal on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 12, December 1968, (HLM 2.73)]. FS Date: 9/19/2013						

Photo 3 of 3 : UCIP\_SP\_2018\_20865\_35108.jpg



20-inch steel pipe discharges into concrete channel on LS.

LM Start	2.72	Rating **	M	Issue No.	949
LM End	2.72	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.641798 °	37.641798 °
				-121.229714 °	-121.229714 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:22915 DS_ID:24679 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/26/2016 - (T. Hatch/UCIP) Inspector indicated that pipe had been removed for several years. Need additional information to determine if the pipe was removed properly and the levee recompacted to specifications. 09/19/2013 - (W. Wylie/UCIP) No permit identified for this crossing. FIELD_STRUCT_DESC: *REMOVED* 18-inch polyvinyl chloride (PVC) irrigation pipe through the levee, 3.5 feet below the crown. No pump or other appurtenances visible. FS Date: 9/19/2013					

Photo 1 of 2 : UCIP\_SP\_2018\_22915\_39043.jpg



18-inch PVC pipe visible at LS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2101 Blewett**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	03/08/2018 03/08/2018	Maksim Khashchuk

LM Start	2.72	Rating **	M	Issue No.	949 (cont)	
LM End	2.72	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.641798 °	37.641798 °	
				-121.229714 °	-121.229714 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:22915 DS_ID:24679 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/26/2016 - (T. Hatch/UCIP) Inspector indicated that pipe had been removed for several years. Need additional information to determine if the pipe was removed properly and the levee recompacted to specifications. 09/19/2013 - (W. Wylie/UCIP) No permit identified for this crossing. FIELD_STRUCT_DESC: *REMOVED* 18-inch polyvinyl chloride (PVC) irrigation pipe through the levee, 3.5 feet below the crown. No pump or other appurtenances visible. FS Date: 9/19/2013						

Photo 2 of 2 : UCIP\_SP\_2018\_22915\_39042.jpg



18-inch PVC pipe visible at outlet to irrigation canal on LS slope.

LM Start	2.82	Rating **	U	Issue No.	950	
LM End	2.82	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.640566 °	37.640566 °	
				-121.230216 °	-121.230216 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:51392 DS_ID:20705 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 11/16/2016 No access available. Need to coordinate with LMA to obtain access for proper inspection at a later date. (O. Magana - DWR UCIP)09/19/2013 Flap gate missing from WS headwall. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 11 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 12, December 1968, (HLM 2.85), Drawing No. 07-04-1666, Sheets 1666/13 and 1666/51, (Station 421+30)]. FS Date: 11/16/2016						

Photo 1 of 3 : UCIP\_SP\_2018\_51392\_35142.jpg



Concrete headwall visible at LS toe in ditch.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2101 Blewett**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	03/08/2018 03/08/2018	Maksim Khashchuk

LM Start	2.82	Rating **	U	Issue No.	950 (cont)
LM End	2.82	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.640566 °	37.640566 °
				-121.230216 °	-121.230216 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:51392					
DS_ID:20705					
EP_NO: N/A					
Repair Type: Urgent					
Crossing Status: Found					
UCIP Comments: 11/16/2016 No access available. Need to coordinate with LMA to obtain access for proper inspection at a later date. (O. Magana - DWR UCIP)09/19/2013 Flap gate missing from WS headwall. (W. Wylie - DWR UCIP)					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 11 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end.					
[Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 12, December 1968, (HLM 2.85), Drawing No. 07-04-1666, Sheets 1666/13 and 1666/51, (Station 421+30)].					
FS Date: 11/16/2016					

Photo 2 of 3 : UCIP\_SP\_2018\_51392\_35141.jpg



Concrete headwall visible on WS toe at canal.

LM Start	<b>2.82</b>	Rating **	U	Issue No.	<b>950 (cont)</b>
LM End	<b>2.82</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2018\_51392\_35140.jpg



Concrete headwall at LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2101 Blewett**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	03/08/2018 03/08/2018	Maksim Khashchuk

LM Start	2.83	Rating **	U	Issue No.	27
LM End	2.83	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.640425 °	37.640425 °
				-121.230139 °	-121.230139 °
DWR ID	DWR_RD2101_01_s_2012_27				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Burrows on both sides of levee. Backfill the burrows to restore the levee to original condition.					

Photo 1 of 1 : SP\_2018\_RD2101\_326\_27\_20180305\_00014.jpg



View of multiple rodent holes on the levee slope.

LM Start	2.85	Rating **	M	Issue No.	951
LM End	2.85	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.640185 °	37.640185 °
				-121.230067 °	-121.230067 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:20873 DS_ID:20706 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Leaks off LS toe may indicate internal failure. Good candidate for video inspection. FIELD_STRUCT_DESC: 1 of 2: 24-inch reinforced concrete irrigation pipe through the levee, 11 feet below the crown. Pump on metal pier at the berm. Screw gates in a 6-foot by 10.5-foot concrete box on the waterside (WS). 12-inch steel riser next to concrete box with slide gates. Abandoned pump house on the WS. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 12, December 1968, (HLM 2.87)]. FS Date: 9/19/2013					

Photo 1 of 3 : UCIP\_SP\_2018\_20873\_35146.jpg



Leak in pipe off LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2101 Blewett**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	03/08/2018 03/08/2018	Maksim Khashchuk

LM Start	2.85	Rating **	M	Issue No.	951 (cont)	
LM End	2.85	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.640185 °	37.640185 °	
				-121.230067 °	-121.230067 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:20873 DS_ID:20706 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Leaks off LS toe may indicate internal failure. Good candidate for video inspection. FIELD_STRUCT_DESC: 1 of 2: 24-inch reinforced concrete irrigation pipe through the levee, 11 feet below the crown. Pump on metal pier at the berm. Screw gates in a 6-foot by 10.5-foot concrete box on the waterside (WS). 12-inch steel riser next to concrete box with slide gates. Abandoned pump house on the WS. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 12, December 1968, (HLM 2.87)]. FS Date: 9/19/2013						

LM Start	<b>2.85</b>	Rating **	M	Issue No.	<b>951 (cont)</b>
LM End	<b>2.85</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_SP\_2018\_20873\_35145.jpg



Leak in pipe off LS toe.

Photo 3 of 3 : UCIP\_SP\_2018\_20873\_35144.jpg



12-inch steel riser at concrete box with gatevalve on WS berm.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2101 Blewett**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	03/08/2018 03/08/2018	Maksim Khashchuk

LM Start	2.85	Rating **	M	Issue No.	952
LM End	2.85	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.640185 °	37.640185 °
				-121.230067 °	-121.230067 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:20874 DS_ID:20712 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Leak off LS toe may indicate internal failure. Good candidate for video inspection. FIELD_STRUCT_DESC: 2 of 2: 30-inch reinforced concrete irrigation pipe through the levee, 11 feet below the crown. Pump on metal pier on the berm. 12-inch steel riser next to a 6-foot by 10.5-foot concrete box with a screw gate inside on the waterside (WS). Abandoned pump house on the WS. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 12, December 1968, (HLM 2.87)]. FS Date: 9/19/2013					

LM Start	<b>2.85</b>	Rating **	M	Issue No.	<b>952 (cont)</b>
LM End	<b>2.85</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2018\_20874\_35151.jpg



Gatevalve in concrete vault with standpipe off WS toe.

Photo 2 of 3 : UCIP\_SP\_2018\_20874\_35150.jpg



Leak in pipe off LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2101 Blewett**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	03/08/2018 03/08/2018	Maksim Khashchuk

LM Start	2.85	Rating **	M	Issue No.	952 (cont)	
LM End	2.85	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.640185 °		37.640185 °
				-121.230067 °		-121.230067 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:20874 DS_ID:20712 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Leak off LS toe may indicate internal failure. Good candidate for video inspection. FIELD_STRUCT_DESC: 2 of 2: 30-inch reinforced concrete irrigation pipe through the levee, 11 feet below the crown. Pump on metal pier on the berm. 12-inch steel riser next to a 6-foot by 10.5-foot concrete box with a screw gate inside on the waterside (WS). Abandoned pump house on the WS. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 12, December 1968, (HLM 2.87)]. FS Date: 9/19/2013						

Photo 3 of 3 : UCIP\_SP\_2018\_20874\_35149.jpg



Leak in pipe off LS toe.

LM Start	2.85	Rating **	M	Issue No.	28
LM End	2.85	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.640134 °	37.640134 °
				-121.230019 °	-121.230019 °
DWR ID	DWR_RD2101_01_s_2012_28				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent holes were backfilled but some are still active. Continue to monitor the area and exterminate the rodents.					

Photo 1 of 1 : SP\_2018\_RD2101\_326\_28\_20180305\_00015.jpg



View of numerous rodent holes with bait stations present.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2101 Blewett**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	03/08/2018 03/08/2018	Maksim Khashchuk

LM Start	2.87	Rating **	A/W	Issue No.	953
LM End	2.87	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.639924 °	37.639924 °
				-121.230005 °	-121.230005 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:20875					
DS_ID:20707					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 1 of 2: 24-inch corrugated metal drainage pipe					
through the levee, 12.5 feet below the crown. Concrete U-shaped					
headwalls on each end. Flap gate on the waterside (WS) end.					
[Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin					
O&M Manual 12, December 1968, (HLM 2.89)].					
FS Date: 9/19/2013					

LM Start	<b>2.87</b>	Rating **	A/W	Issue No.	<b>953 (cont)</b>
LM End	<b>2.87</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2018\_20875\_35156.jpg



Flapgate on WS toe at concrete headwall.

Photo 2 of 3 : UCIP\_SP\_2018\_20875\_35155.jpg



Inlet on LS toe with concrete headwall.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2101 Blewett**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	03/08/2018 03/08/2018	Maksim Khashchuk

LM Start	2.87	Rating **	A/W	Issue No.	953 (cont)	
LM End	2.87	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.639924 °	37.639924 °	
				-121.230005 °	-121.230005 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:20875						
DS_ID:20707						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 1 of 2: 24-inch corrugated metal drainage pipe						
through the levee, 12.5 feet below the crown. Concrete U-shaped						
headwalls on each end. Flap gate on the waterside (WS) end.						
[Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin						
O&M Manual 12, December 1968, (HLM 2.89)].						
FS Date: 9/19/2013						

Photo 3 of 3 : UCIP\_SP\_2018\_20875\_35154.jpg



Inlet on LS toe with concrete headwall.

LM Start	2.87	Rating **	A/W	Issue No.	954
LM End	2.87	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.639884 °	37.639884 °
				-121.230008 °	-121.230008 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:20876 DS_ID:20709 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 2 of 2: 24-inch drainage pipe of an unknown material through the levee, 12.5 feet below the crown. Concrete U-shaped headwalls on each end. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 12, December 1968, (HLM 2.89)]. FS Date: 9/19/2013					

Photo 1 of 3 : UCIP\_SP\_2018\_20876\_35159.jpg



Concrete inlet on LS toe at canal.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2101 Blewett**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	03/08/2018 03/08/2018	Maksim Khashchuk

LM Start	2.87	Rating **	A/W	Issue No.	954 (cont)
LM End	2.87	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.639884 °	37.639884 °
				-121.230008 °	-121.230008 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:20876					
DS_ID:20709					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 2 of 2: 24-inch drainage pipe of an unknown material through the levee, 12.5 feet below the crown. Concrete U-shaped headwalls on each end. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 12, December 1968, (HLM 2.89)].					
FS Date: 9/19/2013					

Photo 2 of 3 : UCIP\_SP\_2018\_20876\_35158.jpg



Concrete U-shaped headwall on WS toe with flapgate.

LM Start	<b>2.87</b>	Rating **	A/W	Issue No.	<b>954 (cont)</b>
LM End	<b>2.87</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2018\_20876\_35157.jpg



Concrete inlet on LS toe at canal.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2101 Blewett**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	03/08/2018 03/08/2018	Maksim Khashchuk

LM Start	2.87	Rating **	M	Issue No.	29
LM End	2.87	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.639852 °	37.639852 °
				-121.229980 °	-121.229980 °
DWR ID	DWR_RD2101_01_s_2012_29				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 2 : SP\_2018\_RD2101\_326\_29\_20180305\_00016.jpg



View of repaired site, but it appears that erosion is still occurring.  
09/25/2012

LM Start	<b>2.87</b>	Rating **	M	Issue No.	<b>29 (cont)</b>
LM End	<b>2.87</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP\_2018\_RD2101\_326\_29\_20180305\_00017.jpg



Levee slope is being eroded at this location. Repair needed to preserve access road.

LM Start	2.88	Rating **	M	Issue No.	8
LM End	3.15	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.639780 °	37.637167 °
				-121.230008 °	-121.233715 °
DWR ID	DWR_RD2101_01_f_2013_8				
Comment Code					
DT : Ditch					
Inspector Comment					

Photo 1 of 1 : SP\_2018\_RD2101\_326\_8\_20180305\_00006.jpg



View of the ditch at the landside levee toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2018 Levee Inspection Results**

**Reclamation District No. 2101 Blewett**

Waterway			Bank	Unit Miles
Unit No. 02 San Joaquin River (Spur Levee)			Right	0.30
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/8/2018 - 3/8/2018			
DWR Inspector	Maksim Khashchuk			
Accompanied By	Jim Coddington RD2101			

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2101 Blewett**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River (Spur Levee)	Right	0.30	03/08/2018 03/08/2018	Maksim Khashchuk

LM Start	0.01	Rating **	A	Issue No.	1
LM End	0.01	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.659866 °	37.659866 °
				-121.243509 °	-121.243509 °
DWR ID	DWR_RD2101_02_s_2018_1				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Acceptable vegetation control.					

Photo 1 of 1 : SP\_2018\_RD2101\_327\_1\_20180308\_00001.jpg



View of the acceptable vegetation control on the levee slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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